



STORMWATER MANAGEMENT COMMISSION

SUBJECT: WDO Amendments Public Comment and Public Hearing Notice

The Lake County Stormwater Management Commission (SMC) opens the public comment period on May 1, 2023 through May 31, 2023. A package of 35 amendments to the Watershed Development Ordinance (WDO) will be distributed on May 1, 2023. The draft WDO amendment schedule has also been included.

Categories and Amendment Reference Chart

Amendment Categories Include:	Amendment #'s
Coastal High Hazard Area (CHHA)	1a, 1b, 1c, 1d, 1e, 1f, 1g, 1i, 1j, 1k
Wetlands	2a, 2b, 2c, 2d, 2e, 2f, 2g, 2h, 2i
Administrative	3a, 3b, 3c, 3g, 3h, 3i, 3j, 3k
Floodplain	4a, 4b, 4c
DECI	5a, 5b
FEMA Maps	6a
Floodway Storage	2 (2021)
Rainfall Table	3 (2021)
Total # of Amendments	35

Notice of the May 25, 2023, public hearing will be published in the News Sun on May 2, 2023. Any comments received during this period will be summarized at the June Commission (SMC) meeting.

Comments or questions can be e-mailed to ktraynoff@lakecountyiil.gov or mailed to:

Kelcey Traynoff
Lake County Stormwater Management Commission
500 W. Winchester Road, Libertyville, IL 60048

WDO Amendment #1a

§ 404.02.I: Asbuilt Lowest Structural Member

- I. **Elevation of the bottom of the lowest horizontal structural member of the lowest floor, and whether the structure has a basement, for structures located in a coastal high hazard area.**

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1b

§ 505.09.D: may vs shall

- D. Boat docks, boathouses, and piers ~~shall~~ **may** be allowed and the provisions of 505.09B shall apply.

Purpose: Correct grammatical error.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1c

§ 700: BFE projection not for CHHA

§700.01 The Regulatory Floodplain is delineated within a development by projecting the base flood elevation (BFE) onto the site topography, **unless the area is shown to be within a coastal high hazard area.**

§700.02 The BFE shall be as delineated by the 100-year flood profiles, as indicated on the floodplain studies noted in 700.02A through 700.02E: ...

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1d

§ 700.02.D.2: Flood of Record plus 3 feet

2. For a non-riverine Regulatory Floodplain, the historic flood of record (as determined by the Enforcement Officer according to 700.02D) plus three (3) feet may be used for the BFE instead of performing a detailed hydrologic and hydraulic study. **This BFE option cannot be used within a FEMA mapped SFHA for proposed development greater than 50 lots or 5 acres.**

Purpose: Comply with FEMA Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1e

§ 700.02.E: Lake Michigan BFE

- E. The base flood elevation for a Regulatory Floodplain subject to flooding effects from Lake Michigan shall be the elevation (or in zone AO, the depth) identified on the FIRM for the site, or the 1% annual chance still water elevation of Lake Michigan identified in the Flood Insurance Study, whichever elevation is higher.

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1f

§ 700.03: Mapped CHHA

- §700.03 The location of the Regulatory Floodway **and the location of the Coastal High Hazard Area shall** be as delineated on the maps referenced in Appendix C: FEMA Flood Insurance Study Maps and Profiles. Where interpretation is needed to determine the exact location of the Regulatory Floodway boundary, IDNR/OWR should be contacted.

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1g

§ 706: Building Protection Requirement for areas outside of the CHHA

- § 706 Building Protection Requirements **for Regulatory Floodplains not within Coastal High Hazard Areas**

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1i

§ 708: Building Protection Requirements for CHHA

§ 708 Building Protection Requirements for Coastal High Hazard Areas

The building protection requirements of Section 708 apply to development, including new construction and substantial improvements in, or partly in, a Coastal High Hazard Area according to the FIRM.

- 708.01 All new construction and substantial improvements shall be elevated on pilings or columns so that the bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to or above the BFE-plus-one-foot elevation, and the pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components.

A. Water loading values used shall be those associated with the base flood.

B. Wind loading values shall be those required by applicable state or local building standards. If no state or local building standards require the application of wind loading values to structural design, then wind loading values shall be those defined

according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or other equivalent standard.

708.02 A licensed professional structural engineer or architect shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of Section 708.01.

708.03 All new construction and substantial improvements shall have the space below the lowest floor either free of obstruction or constructed with non-supporting breakaway walls open wood lattice-work, or insect screening intended to collapse without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system.

A. For the purpose of Section 708.03, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot.

B. Use of breakaway walls which exceed a design safe loading resistance of 20 pounds per square foot (either by design or where so required by local or state codes) may be permitted only if a licensed professional structural engineer or architect certifies that the designs proposed meet all of the following conditions:

1. Breakaway wall collapse shall result from a water load less than that which would occur during the base flood; and

2. The elevated portion of the building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and non-structural). Water loading values shall be those associated with the base flood. Wind loading values shall be those required by applicable state or local building standards. If no state or local building standards require the application of wind loading values to structural design, then wind loading values shall be those defined according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or other equivalent standard.

C. All space enclosed by breakaway walls, open wood lattice-work, or insect screening below the lowest floor shall be used solely for parking of vehicles, building access, or storage.

708.04 Placement or substantial improvement of manufactured homes must comply with 708.01 through 708.03.

708.05 Recreational vehicles, including park models, must either:

A. Be on site for fewer than 180 consecutive days; or

B. Be fully licensed and ready for highway use; or

C. Comply with Section 708.01 through 708.3.

708.06 The use of fill for structural support of buildings within a Coastal High Hazard Area is prohibited.

- A. Non-structural fill within a Coastal High Hazard Area shall be permitted only if an engineering report demonstrates that the fill will not cause wave runup, ramping, or deflection of floodwaters that cause damage to buildings.

708.07 Man-made alterations of sand dunes within a Coastal High Hazard Area are prohibited unless an engineering report documents that the alterations will not increase potential flood damage by reducing the wave and flow dissipation characteristics of the sand dunes.

708.08 Within a Coastal High Hazard Area, bulkheads, seawalls, revetments, and other erosion control structures shall not be connected to the foundation or superstructure of a building, and shall be designed and constructed so as not to direct floodwaters or increase flood forces or erosion impacts on the foundation or superstructure of any building.

Purpose: Comply with FEMA Coastal High Hazard Area Regulations and reduce required freeboard in the section from 2' to 1'.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #1j
§ Appendix A: CHHA Definitions

...

boathouse: A structure erected for the purpose of storing boats.

breakaway wall: A wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces, without causing damage to the elevated portion of the building or supporting foundation system.

...

coastal high hazard area: An area of special flood hazard extending from offshore to the inland limit of a primary frontal dune along an open coast, and any other area subject to high velocity wave action from storms or seismic other sources. A coastal high hazard area is identified on a community's FIRM by the designation of zone VE or a moderate wave action area (MoWA).

...

limit of moderate wave action (LiMWA): A line shown on a Flood Insurance Rate Map to indicate the inland limit of the 1.5-ft breaking wave height during the base flood.

...

lowest adjacent grade: The lowest finished grade adjacent to a [structure](#), including the bottom of window wells.

...

moderate wave action area (MoWA): A special flood hazard area subject to the potential for breaking wave heights of greater than or equal to 1.5 feet, but less than 3 feet, where the primary source of flooding is astronomical tides, storm surges, seiches, and/or tsunamis. A MoWA is an area within zone AE on a FIRM that is between the inland limit of zone VE and a Limit of Moderate Wave Action, where identified. (Also known as "Coastal A zone")

...

Regulatory Floodplain: Regulatory Floodplains may be either [riverine](#) or [non-riverine](#) depressional areas. **Except for coastal flooding effects of Lake Michigan**, floodplain boundaries shall be delineated by projecting the [base flood elevation](#) onto the best available topography and by superimposing the Special Flood Hazard Area onto the base map. A [flood-prone area](#) is a Regulatory Floodplain if it meets any of the following descriptions:

- A. Any riverine area inundated by the [base flood](#) where there is at least 640 acres of tributary [drainage area](#).
- B. Any non-riverine area with a storage volume of 0.75 acre-foot or more when inundated by the [base flood](#).
- C. Any area indicated as a [Special Flood Hazard Area](#) on the [FEMA Flood Insurance Rate Map](#) or Letter of Map Revision.

Purpose: Comply with FEMA Coastal High Hazard Area Regulations.

TAC Vote: 03/16/2023: Approved 9-0-1

WDO Amendment #1k
§ 704: Compensatory Storage

704.8 Compensatory Storage is not required in Coastal High Hazard Areas.

Purpose: To clarify that there is not a requirement to provide Compensatory Storage within CHHA.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #2a
Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§B.2. Physical Description (Second sentence)

... as required by this Ordinance, and **SCSNRCS** soil survey map and soil unit description.

Purpose: The Soil Conservation Service (SCS) agency name was changed to Natural Resource Conservation Service (NRCS). This amendment reflects agency's current name.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2b
Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§C.3. Soils (Second paragraph)

If the mitigation site contains a drained hydric soil, include the **SCSNRCS** soil map unit description...

Purpose: The Soil Conservation Service (SCS) agency name was changed to Natural Resource Conservation Service (NRCS). This amendment reflects agency's current name.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2c
Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§H.2.d. Invasive Species Dominance

By the end of the performance period, none of the three **e. dominant plant species in the emergent, wet prairie, or sedge meadow communities shall be non-native or weedy species, including, but not limited to:**

Purpose: Correct editorial error – the complete text of Section d. was inadvertently truncated, creating a section e. Remove e. and correct such that all text now under d.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2d

Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§H.2.c. Vegetative Cover (emergent, wet prairie, or sedge meadow wetland communities)

By the end of the performance period, no area greater than ~~one hundred (100)~~ **ten (10)** square feet within the created or enhanced wetlands shall be devoid of vegetation, as measured by percent areal coverage. Areas not meeting this standard shall be re-planted.

Purpose: Bring wetland mitigation performance criterion into consistency with USACE’s standard for final vegetative coverage approval (2017).

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2e

Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§H.3.b. Vegetative Cover (mesic prairie buffers)

By the end of the performance period, no area greater than ~~one hundred (100)~~ **ten (10)** square feet within the created or enhanced mesic prairie buffers shall be devoid of vegetation, as measured by percent areal coverage.

Purpose: Bring wetland mitigation performance criterion into consistency with USACE’s standard for final vegetative coverage approval (2017).

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2f

§ Appendix A: Definition of Isolated Waters of Lake County – Section B.

B. The following shall not be considered as meeting the exclusion criteria in Section A. of this definition:

1. All areas meeting the definition of *high-quality aquatic resources*, **other than areas meeting exclusion criteria A.1 or A.4.**
2. Wetland *mitigation* areas created to meet the requirements of this Ordinance or Section 404 of the Clean Water Act.
3. Wetland areas created or restored using public funds.

Purpose: Remove confusion over constructed stormwater management features that meet the HQAR criteria in WDO Appendix L.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2g
§1002 Isolated Waters of Lake County Exclusions

Excluded areas are as specified in Appendix A: Definitions of *Isolated Waters of Lake County*. **Community enforcement officers shall provide SMC with a copy of all exclusion determinations.**

Purpose: Provide documentation for SMC's permit files to remove uncertainty as to which IWLC on a development site are excluded and which remain subject to WDO regulation. SMC regulatory staff need this documentation for IWLC impact reviews.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2h
Appendix M, SMC-Approved Wetland Mitigation Banking Requirements

§S: PERFORMANCE STANDARDS (Species Dominance)

The native perennial species within each wetland plant community shall represent at least 80% of the total dominance measure. **A lower percent native perennial species of the total dominance measure may be acceptable if transect data demonstrate the remaining dominance percentage, up to a maximum of 15 percent, is by native annual and biannual species with a wetness indicator status of FAC or wetter and the native FQI and mean C performance standards are met.**

Purpose: Change to be like the Corps' standard for this metric, but with SMC-added caveats on maximum percentage allowance for native annual and biannual species to make up balance and such species must be FAC or wetter.

TAC Vote: 03/16/2023: Approved 10-0-0

WDO Amendment #2i
Appendix N: WDO Mitigation Requirements and Guidelines for Isolated Waters of Lake County Impacts

§H.2.b. Mean Wetness Coefficient

- a. Mean Wetness Coefficient: By the end of the performance period, the mean wetness coefficient (mean W) shall be less than or equal to 0 in each wetland community. Wetness coefficients are listed below, based on the category of each plant species designated in the National Wetland Plant List - Midwest Regional Plant List (U.S. Army Corps of Engineers, most recent version). The mean W for each wetland community is calculated by the following equation: Sum of wetness coefficients for all species/number of species.

Wetness Coefficients

<i>National Wetland Category</i>	<i>Wetness Coefficient</i>
Obligate (OBL)	-2
Facultative Wetland (FACW)	-1
Facultative (FAC)	0
Facultative Upland (FACU)	1
Upland (UPL)	2

Purpose: Add negative “-” symbol before OBL and FACW categories (not: this was an oversight in the previous WDO). This numeric system is included in the Army Corps-Chicago Region’s Floristic Quality Assessment calculator tool (2017) to determine the mean W of a wetland plant community.

TAC Vote: 04/20/2023: Approved 8-0-0

WDO Amendment #3a

§ 400.01: Minor Developments

400.01 A completed *Watershed Development Permit* application signed by the *applicant* or applicant’s agent, and when required, a **Licensed Professional Engineer** and *Certified Wetland Specialist*.

Purpose: Add “Licensed” for WDO consistency.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3b

§ 404.01: As-Built Drawings

404.01 *As-built drawings*, signed and sealed by a **Licensed** Professional Engineer, shall be required for all major developments, public road developments, and other types of development as determined by the Enforcement Officer (such as those developments that affect stormwater runoff rates or volume, impact wetlands or wetland buffers, or are adjacent to floodplains).

Purpose: Add “Licensed” for WDO consistency.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3c

§ 706.02.A: Floodplain Protection Requirements (*and sections listed below in Purpose*)

A. The *lowest floor*, including *basements*, of all new non-residential *buildings*, including additions, shall be elevated at least to the FPE or be structurally dry flood-proofed to at least the FPE. A non-residential building may be structurally dry flood-proofed (in lieu of elevation) provided that a ~~Registered~~ **Licensed Professional Engineer**, ~~Registered~~ **Licensed** Structural Engineer, or Licensed Architect shall certify...

Purpose: Keep Licensed instead of using Registered. Replace “Registered” with “Licensed” throughout WDO for consistency. **Sections included: 201.01. E, 401.10, 401.11, 500.03, 507.08, 700.02, 701.02, 703.04, 706.01, 801.01, 801.02, 801.03, 901.01, Appendix A: Definitions, and Appendix E: Enforcement Officer Duties.**

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3g
§ 1102.02: Additional Protection Measures

1102.01 If at any stage of the grading of any *development* site the *Enforcement Officer* determines that the nature of the site is such that further work authorized by an existing permit is likely to imperil any property, public way, *stream*, *lake*, wetland, or drainage structure, the Enforcement Officer may require, as a condition of allowing the work to be done, that such reasonable additional protective measures be taken as is considered advisable to avoid the likelihood of such peril. Additional protective measures may include, but shall not be limited to, a more level exposed slope, construction of additional drainage facilities, berms, terracing, compaction, or cribbing, installation of plant materials for *erosion* control, and recommendations of a ~~Licensed Geotechnicalsoils Eengineer~~ and/or ~~engineering~~ **Licensed Professional Geologist** which may be made requirements for further work.

Purpose: Update professional titles.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3h
Appendix E: Enforcement Officer Duties

F. A *Licensed Professional Engineer* in the employ or under contract with SMC or *Certified Community* shall review **or supervise the review of** any plans, calculations, or analyses submitted by a **Licensed Professional Engineer** pursuant to the requirements of this Ordinance.

Purpose: To be consist with Section 201.01.E of the WDO.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3i
Appendix A: Definitions

basin: Sub-*watershed* areas within Lake County that include the Fox River mainstem (including the Chain O' Lakes), Flint Creek, Tower Lake Drain, Slocum Drain, Mutton Creek, ~~Manitou Squaw~~ Creek, ...

Purpose: Update creek name from "Squaw" to "Manitou".

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3j
Appendix A: Definitions

Enforcement Officer: A person meeting the requirements of 201.02K and designated as follows:

A. Within *communities* that have received Standard Certification, the Enforcement Officer shall be a person designated in writing by the community for the purpose of permitting *development*, and administering and enforcing all of the provisions of this Ordinance except as noted in Article 13: Variances.

B. Within *communities* that have not received Standard Certification, the Enforcement Officer shall be the *SMC Chief Engineer*.

C. Recertification as an Enforcement Officer shall be required every **five (5)** ~~three (3)~~ years through the SMC. A minimum of **eight (8)** ~~twenty-four (24)~~ work-related professional development hours including SMC mandatory training for this type of certification shall be obtained **per year** ~~within the three-year period~~ in order to qualify for recertification. Documentation shall be self-monitoring and shall be provided to SMC upon **request** ~~application of certification or recertification~~.

Purpose: Update EO recertification requirement to be consistent with community recertification.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #3k
Appendix J: Watershed Specific Release Rates

ManitouSquaw Creek Mainstem

Purpose: Update creek name from “Squaw” to “Manitou”.

TAC Vote: 04/20/2023: Approved 10-0-0

WDO Amendment #4a
§ 702.04: Regulatory Floodplain Performance Standards

702.04 If the proposed *development* would result in a change in the mapped *Regulatory Floodplain* or BFE of a *SFHA* on a site, the *applicant* shall submit sufficient data to *FEMA* and SMC to obtain a *Letter of Map Revision* (LOMR). Proposed changes to Regulatory Floodplain and *Regulatory Floodway* delineation and BFE shall be submitted to SMC (see Appendix E: Enforcement Officer Duties). *IDNR/OWR* concurrence is required for changes to the BFE and floodway delineation.

Purpose: Remove LOMR requirement for changes in the mapped Regulatory Floodplain along with removing “on a site” given it does not add value to this section.

TAC Vote: 04/20/2023: Approved 9-0-0

WDO Amendment #4b
§ 706.04: Building Protection

706.04 Tool sheds, detached garages, and attached garages which are not *substantial improvements* on an existing single-family platted lot may be constructed with the *lowest floor* below the ~~FPE~~ **one-half (0.5) foot above the BFE** in accordance with the following:

- A. The *building* shall not be used for human habitation.
- B. All areas below the ~~FPE~~**BFE** shall be constructed with **materials resistant to flood damage** ~~waterproof material~~. Structures located in a *Regulatory Floodway* shall be constructed and placed on a development site so as not to block the flow of flood waters and shall also meet the *Appropriate Use* criteria of §703 Regulatory Floodway Performance Standards. In addition, all other requirements of this Ordinance must be met.
- C. The *structure* shall be anchored to prevent flotation.
- D. Service facilities such as electrical and heating equipment shall be elevated or flood-proofed to the FPE.
- E. The *building* shall be used only for the storage of vehicles or tools and may not contain other rooms, workshops, greenhouses, or similar uses.
- F. If a residence is elevated appropriately, then the area below the residence can be used as a garage, as long as the garage conforms to 706.04A through 706.04E and includes permanent flow through openings as described in 706.01A.2.
- G. The *building* shall be valued at less than ~~\$24,550~~**\$24,550**~~17,250~~ (**Feb. 2023**~~14~~ costs) and be no greater than ~~600~~**600**~~576~~ square feet in floor size.

Purpose: Update regulations and values on accessory structures. Increased value by an additional 4.2% due to size increase 600 sf vs 576 sf.

TAC Vote: 04/20/2023: Approved 9-0-0

WDO Amendment #4c
§ 901.04 Building Protection Requirements

901.04 Accessory structures and attached garages may be constructed with the lowest floor below the FPE in accordance with the following:

- A. The building shall not be used for human habitation.
- B. The structure shall be anchored to prevent flotation.
- C. Service facilities such as electrical and heating equipment shall be elevated or flood-proofed to the FPE.
- D. All areas below the FPE shall be constructed with materials resistant to flood damage.**
- E. The floor must be elevated up to at least one-half (0.5) foot above the base flood elevation (BFE) unless it meets all the requirements of 706.04.**

Purpose: To provide consistency with other accessory structure regulations.

TAC Vote: 04/20/2023: Approved 9-0-0

WDO Amendment #5a
§ 1101: Inspections

1101.02 The *Designated Erosion Control Inspector* (DECI) shall conduct inspections and document as described below, at a minimum, at the intervals in 1101.02A and **1102.02B**, for those developments that require a Designated Erosion Control Inspector, until permanent stabilization and Enforcement Officer approval of appropriate as-built documentation and drawings.

- A. Upon completion of installation of sediment and runoff control measures (including perimeter controls and diversions), prior to proceeding with any other earth disturbance or grading.
- ~~B. After stripping and clearing.~~
- ~~C. After rough grading.~~
- ~~D. After final grading.~~
- ~~E. After seeding and landscaping deadlines.~~
- BF.** After every seven (7) calendar days or storm event with greater than one-half (0.5) inch of rainfall or *liquid equivalent precipitation*.
- CG.** After final stabilization and landscaping, prior to removal of sediment and erosion controls.
- DH.** After removal of erosion and sediment controls.

Minimum inspection documentation shall include: site observations and photos (at the discretion of the EO), inspector's name, date and time of inspection, status of perimeter control, and site outlet observations.

Purpose: Include minimum DECI inspection documentation including photos. Note that §1101.01 references to §1102.02 will be updated to reflect the removal of sub-items B – E.

TAC Vote: 04/20/2023: Approved 9-0-0

WDO Amendment #5b
§ 1101: Inspections

1101.03 Designated Erosion Control Inspector inspections may be performed at a reduced frequency, at the discretion of the Enforcement Officer, for projects with a valid Watershed Development Permit, that are permanently stabilized, ~~have submitted a Notice of Termination to IEP,~~ and are entering a prolonged period of inactivity. Designated Erosion Control Inspector inspections shall only be required after storm events with greater than one-half (0.5) inch of rainfall or *liquid equivalent precipitation*.

Purpose: Remove Notice of Termination requirement.

TAC Vote: 04/20/2023: Approved 9-0-0

WDO Amendment #6a**§ Appendix C: FEMA Flood Insurance Study Maps and Profiles**

- Communities: Beach Park; Grayslake; Gurnee; Highland Park; Lake Bluff; Lake County Unincorp; Lake Forest; Lake Villa; Libertyville; Lindenhurst; North Chicago; Old Mill Creek Round Lake Beach; Round Lake Park; Third Lake; Wadsworth; Waukegan; Winthrop Harbor; Zion

Appendix C: FEMA Flood Insurance Study Maps and Profiles

COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ANTIOCH	170358#	September 18, 2013	17097C0010 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0026 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0027 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0028 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0029 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0032 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0034 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0035 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0055 K	February 17, 2016 October 5, 2023
		BANNOCKBURN	170359#	September 18, 2013
September 18, 2013	17097C0267 K			February 17, 2016 October 5, 2023
September 18, 2013	17097C0278 K			February 17, 2016 October 5, 2023
September 18, 2013	17097C0286 K			February 17, 2016 October 5, 2023
BARRINGTON HILLS	170058#	September 18, 2013	17097C0215 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0216 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0217 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0219 K	February 17, 2016 October 5, 2023
BARRINGTON	170057#	September 18, 2013	17097C0216 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0217 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0219 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0236 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0238 K	February 17, 2016 October 5, 2023
BEACH PARK	171022#	September 18, 2013	17097C0059 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0067 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0069 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0078 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0086 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0087 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0088 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0089 KL	February 17, 2016 October 5, 2023
BUFFALO GROVE	170068#	September 18, 2013	17097C0253 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0254 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0261 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0262 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0263 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0264 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0266 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0270 K	February 17, 2016 October 5, 2023
DEERFIELD	170361#	September 18, 2013	17097C0267 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0270 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0278 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0286 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0287 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0288 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0289 K	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
DEER PARK	171028#	September 18, 2013	17097C0217 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0236 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0237 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0238 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0241 K	February 17, 2016 October 5, 2023
FOX LAKE	170362#	September 18, 2013	17097C0004 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0010 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0012 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0014 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0019 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0020 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0106 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0107 L	February 17, 2016 October 5, 2023
FOX RIVER GROVE	170477#	September 18, 2013	10797C0205 K	February 17, 2016 October 5, 2023
GRAYSLAKE	170363#	September 18, 2013 October 5, 2023	17097C0043 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0044 KL	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0129 L	February 17, 2016 October 5, 2023
		February 17, 2016 October 5, 2023	17097C0131 LM	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0132 KL	February 17, 2016 October 5, 2023
		February 17, 2016 October 5, 2023	17097C0133 LM	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0134 KL	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0137 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0141 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0142 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0151 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0153 KL	February 17, 2016 October 5, 2023
GREEN OAKS	170364#	September 18, 2013	17097C0158 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0159 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0166 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0167 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0168 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0169 K	February 17, 2016 October 5, 2023
GURNEE	170365#	September 18, 2013 October 5, 2023	17097C0044 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0063 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0064 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0068 KL	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0069 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0132 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0151 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0152 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0153 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0154 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0156 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0157 K	February 17, 2016 October 5, 2023
HAINESVILLE	171005#	February 17, 2016	17097C0127 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0129 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0131 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0133 L	February 17, 2016 October 5, 2023
HAWTHORN WOODS	170366#	February 17, 2016	17097C0139 L	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
HAWTHORN WOODS	170366#	February 17, 2016	17097C0143 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0226 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0227 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0228 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0229 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0231 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0232 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0233 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0234 K	February 17, 2016 October 5, 2023
HIGHLAND PARK	170367#	September 18, 2013 October 5, 2023	17097C0277 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0278 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0279 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0283 17097C0281 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0285 17097C0283 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0286 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0287 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0289 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0291 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0293 17097C0292 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0295 17097C0293 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0294L	October 5, 2023
HIGHWOOD	171033#	September 18, 2013	17097C0279 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0283 KL	October 5, 2023 February 17, 2016
INDIAN CREEK	170369#	September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
ISLAND LAKE	170370#	September 18, 2013	17097C0112 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0116 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
KILDEER	170371#	September 18, 2013	17097C0233 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0234 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0237 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
LAKE BARRINGTON	170372#	September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0205 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0208 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0209 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0215 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0216 K	October 5, 2023 February 17, 2016
LAKE BLUFF	170373#	September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0186 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0188 17097C0187 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0190 17097C0188 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0189L	October 5, 2023 February 17, 2016

LAKE COUNTY UNINCORPORATED AREAS	170357#	DFIRM PANEL NUMBERS LISTED SEPARATELY AT END OF APPENDIX		
LAKE FOREST	170374#	September 18, 2013	17097C0169 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0188 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C018990 KL	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE FOREST	170374#	September 18, 2013	17097C0257 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0259 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0276 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0277 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0278 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0279 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0285 17097C0281 KL	February 17, 2016 October 5, 2023
LAKE VILLA	170375#	September 18, 2013	17097C0028 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0029 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0035 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0036 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0037 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0038 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0039 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0041 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0043 KL	February 17, 2016 October 5, 2023
LAKE ZURICH	170376#	February 17, 2016	17097C0227 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0228 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0229 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0233 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0236 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0237 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0241 K	February 17, 2016 October 5, 2023
LAKEMOOR	170915#	September 18, 2013	17097C0102 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0104 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0106 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0108 K	February 17, 2016 October 5, 2023
LIBERTYVILLE	170377#	September 18, 2013 October 5, 2023	17097C0134 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0142 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0161 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0162 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0163 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0164 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0166 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0168 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0252 K	February 17, 2016 October 5, 2023
LINCOLNSHIRE	170378#	September 18, 2013	17097C0254 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0257 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0258 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0259 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0262 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0266 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0267 K	February 17, 2016 October 5, 2023
LINDENHURST	170379#	September 18, 2013	17097C0035 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0041 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0042 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0044 KL	February 17, 2016 October 5, 2023
LONG GROVE	170380#	September 18, 2013	17097C0144 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0231 K	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LONG GROVE	170380#	September 18, 2013	17097C0232 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0233 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0234 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0241 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0242 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0261 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0263 K	October 5, 2023 February 17, 2016
METTAWA	170381#	September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0168 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0169 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0256 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
MUNDELEIN	170382#	February 17, 2016	17097C0139 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0141 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0142 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0143 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0144 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0161 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0163 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0164 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0232 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
NORTH BARRINGTON	170383#	September 18, 2013	17097C0207 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0208 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0209 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0217 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0226 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0228 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0236 K	October 5, 2023 February 17, 2016
NORTH CHICAGO	170384#	September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0167 K	October 5, 2023 February 17, 2016

		October 5, 2023	17097C0179 L	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0180 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0186 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0190 17097C0187 KL	October 5, 2023 February 17, 2016
OLD MILL CREEK	170385#	September 18, 2013	17097C0034 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0042 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0055 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0061 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0062 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0063 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0064 K	October 5, 2023 February 17, 2016
PARK CITY	170386#	September 18, 2013	17097C0156 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0157 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0159 K	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
PORT BARRINGTON	170478#	September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0205 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0206 K	October 5, 2023 February 17, 2016
RIVERWOODS	170387#	September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
ROUND LAKE BEACH	170389#	September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0039 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0126 L	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0127 L	October 5, 2023 February 17, 2016

		February 17, 2016 October 5, 2023	17097C0131 LM	February 17, 2016 October 5, 2023
ROUND LAKE HEIGHTS	170390#	September 18, 2013	17097C0038 K	February 17, 2016 October 5, 2023
ROUND LAKE PARK	170391#	February 17, 2016	17097C0127 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0129 L	February 17, 2016 October 5, 2023
		February 17, 2016 October 5, 2023	17097C0133 LM	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0137 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0141 L	February 17, 2016 October 5, 2023
ROUND LAKE	170388#	February 17, 2016	17097C0107 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0109 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0126 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0127 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0128 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0129 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0136 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0137 L	February 17, 2016 October 5, 2023
THIRD LAKE	170392#	September 18, 2013 October 5, 2023	17097C0043 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0044 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0132 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0151 KL	February 17, 2016 October 5, 2023
TOWER LAKES	170393#	September 18, 2013	17097C0206 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0207 K	February 17, 2016 October 5, 2023
VERNON HILLS	170394#	September 18, 2013	17097C0163 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0164 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0251 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0252 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0253 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0254 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0256 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0258 K	February 17, 2016 October 5, 2023
VOLO	171042#	September 18, 2013	17097C0106 K	February 17, 2016 October 5, 2023

		February 17, 2016	17097C0107 L	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0108 K	February 17, 2016 October 5, 2023		
		February 17, 2016	17097C0109 L	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0116 K	February 17, 2016 October 5, 2023		
		February 17, 2016	17097C0117 L	February 17, 2016 October 5, 2023		
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE		
WADSWORTH	170395#	September 18, 2013	17097C0055 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0056 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0057 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0058 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0059 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0062 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0064 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0066 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0067 K	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0068 K	February 17, 2016 October 5, 2023		
		WAUCONDA	170396#	September 18, 2013	17097C0116 K	February 17, 2016 October 5, 2023
				February 17, 2016	17097C0117 L	February 17, 2016 October 5, 2023
				September 18, 2013	17097C0118 K	February 17, 2016 October 5, 2023
September 18, 2013	17097C0119 K			February 17, 2016 October 5, 2023		
February 17, 2016	17097C0136 L			February 17, 2016 October 5, 2023		
February 17, 2016	17097C0138 L			February 17, 2016 October 5, 2023		
September 18, 2013	17097C0206 K			February 17, 2016 October 5, 2023		
September 18, 2013	17097C0207 K			February 17, 2016 October 5, 2023		
WAUKEGAN	170397#			September 18, 2013 October 5, 2023	17097C0066 KL	February 17, 2016 October 5, 2023
				September 18, 2013	17097C0067 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0068 KL	February 17, 2016 October 5, 2023		
		September 18, 2013	17097C0069 K	February 17, 2016 October 5, 2023		
		September 18, 2013 October 5, 2023	17097C0086 KL	February 17, 2016 October 5, 2023		
		September 18, 2013 October 5, 2023	17097C0087 KL	February 17, 2016 October 5, 2023		

		September 18, 2013	17097C0088 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0089 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0095 K 17097C0093 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0152 K	October 5, 2023
		September 18, 2013	17097C0154 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0156 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0157 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0158 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0159 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0166 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0177 K	February 17, 2016 October 5, 2023
		October 5, 2023	17097C0179 L	October 5, 2023
		September 18, 2013 October 5, 2023	17097C0180 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0185 K 17097C0181 K	February 17, 2016 October 5, 2023
WHEELING	170173#	September 18, 2013	17097C0264 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0270 K	February 17, 2016 October 5, 2023
WINTHROP HARBOR	170398#	September 18, 2013 October 5, 2023	17097C0076 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0077 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0078 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0079 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0081 K	February 17, 2016 October 5, 2023
ZION	170399#	September 18, 2013	17097C0057 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0059 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0076 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0077 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0078 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0079 K	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
ZION	170399#	September 18, 2013 October 5, 2023	17097C0081 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0085 K 17097C0083 K	February 17, 2016 October 5, 2023

		October 5, 2023 September 18, 2013	17097C0086 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0087 KL	October 5, 2023 February 17, 2016
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0004 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0010 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0012 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0014 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0019 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0020 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0026 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0027 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0028 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0029 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0032 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0034 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0035 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0036 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0037 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0038 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0039 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0041 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0042 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0043 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0044 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0055 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0056 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0057 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0058 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0059 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0061 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0062 KL	October 5, 2023 February 17, 2016

		October 5, 2023 September 18, 2013	17097C0063 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0064 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0066 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0067 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0068 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0069 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0076 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0077 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0078 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0079 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0081 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0085 17097C0083 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0086 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0087 KL	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0088 K	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0089 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0095 17097C0091 KL	October 5, 2023 February 17, 2016
		October 5, 2023 September 18, 2013	17097C0093 KL	October 5, 2023 February 17, 2016
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013	17097C0102 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0104 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0106 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0107 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0108 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0109 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0112 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0114 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0116 K	October 5, 2023 February 17, 2016
		February 17, 2016	17097C0117 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0118 K	October 5, 2023 February 17, 2016

		September 18, 2013	17097C0119 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0126 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0127 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0128 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0129 L	February 17, 2016 October 5, 2023
		February 17, 2016 October 5, 2023	17097C0131 LM	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0132 KL	February 17, 2016 October 5, 2023
		February 17, 2016 October 5, 2023	17097C0133 LM	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0134 KL	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0136 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0137 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0138 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0139 L	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0141 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0142 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0143 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0144 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0151 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0152 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0153 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0154 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0156 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0157 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0158 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0159 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0161 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0162 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0163 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0164 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0166 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0167 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0168 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0169 K	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0177 KL	February 17, 2016 October 5, 2023
		October 5, 2023	17097C0179 L	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0180 KL	February 17, 2016 October 5, 2023
		September 18, 2013 October 5, 2023	17097C0185 17097C0181 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0186 K	February 17, 2016 October 5, 2023
		October 5, 2023	17097C0187 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0188 K	February 17, 2016 October 5, 2023
COMMUNITY NAME	COMMUNITY MEMBER	DATE OF CURRENT EFFECTIVE MAP (OR MAP INDEX)	LAKE COUNTY DFIRM PANEL NUMBERS	EFFECTIVE FIS STUDY DATE
LAKE COUNTY UNINCORPORATED AREAS	170357#	September 18, 2013 October 5, 2023	17097C0189 90 KL	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0205 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0206 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0207 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0208 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0209 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0215 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0216 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0217 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0226 K	February 17, 2016 October 5, 2023
		February 17, 2016	17097C0227 L	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0228 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0229 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0231 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0232 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0233 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0234 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0236 K	February 17, 2016 October 5, 2023
		September 18, 2013	17097C0237 K	February 17, 2016 October 5, 2023

		September 18, 2013	17097C0241 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0242 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0251 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0252 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0253 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0254 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0256 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0257 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0258 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0259 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0261 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0262 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0263 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0266 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0267 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0270 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0277 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0278 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0281 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0283 L	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0286 K	October 5, 2023 February 17, 2016
		September 18, 2013	17097C0288 K	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0291 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0292 L	October 5, 2023 February 17, 2016
		October 5, 2023	17097C0294 L	October 5, 2023 February 17, 2016

Purpose: Update FIRM Panel(s) per October 05, 2023 FEMA Map updates **and FIS date.**

TAC Vote: 04/20/2023: Approved 9-0-0

2021 WDO Amendments

WDO Amendment #2 (2021)

§ Appendix A: Definitions

Regulatory Floodway: The channel, including on-stream lakes, and that portion of the Regulatory Floodplain adjacent to a stream or channel as designated by the Illinois Department of Natural Resources, Office of Water Resources, which is needed to store and convey the existing and anticipated future 100-year frequency flood discharge with no more than a 0.1 foot increase in stage due to the loss of flood conveyance or storage, and no more than a 10% increase in velocities. The location of the Regulatory Floodway shall be as delineated on the maps listed in Appendix C: FEMA Flood Insurance Study Maps and Profiles. Where interpretation is needed to determine the exact location of the Regulatory Floodway boundary, the IDNR/OWR should be contacted for the interpretation.

The need to preserve storage when defining the regulatory floodway will be waived by the SMC if the applicant receives approval from IDNR/OWR under 3708.60.d Floodway Construction in Northeastern Illinois.

Purpose: TAC-Member proposed amendment to be consistent with IDNR/OWR part 3708 rules for floodway construction.

TAC Vote: 05/20/2021: Approved: 9-1-0

WDO Amendment #3 (2021)

§ Appendix I: Rainfall Depth Duration Frequency Tables for Lake County

Table 7. Rainfall (inches) for Given Recurrence Interval for Section 2 (Northeast)

Storm Duration	2-month	3-month	4-month	6-month	9-month	1-year	2-year	5-year	10-year	25-year	50-year	100-year	500-year
5 minutes	0.19	0.22	0.24	0.27	0.31	0.33	0.40	0.52	0.62	0.77	0.90	1.03	1.35

10 minutes	0.35	0.40	0.43	0.49	0.56	0.61	0.73	0.95	1.13	1.42	1.65	1.89	2.47
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10 minutes	0.33	0.38	0.41	0.47	0.53	0.58	0.70	0.90	1.08	1.35	1.58	1.80	2.36
15 minutes	0.42	0.49	0.53	0.61	0.69	0.75	0.90	1.16	1.39	1.74	2.03	2.32	3.04
30 minutes	0.58	0.66	0.73	0.83	0.94	1.03	1.24	1.59	1.91	2.39	2.78	3.17	4.16
1 hour	0.74	0.84	0.93	1.05	1.20	1.30	1.57	2.02	2.42	3.03	3.53	4.03	5.28
2 hours	0.91	1.04	1.14	1.30	1.48	1.61	1.94	2.49	2.99	3.74	4.35	4.97	6.52
3 hours	1.00	1.15	1.26	1.44	1.63	1.77	2.14	2.75	3.30	4.13	4.80	5.49	7.20
6 hours	1.18	1.35	1.48	1.68	1.91	2.08	2.51	3.23	3.86	4.84	5.63	6.43	8.43
12 hours	1.37	1.56	1.71	1.95	2.21	2.41	2.91	3.74	4.48	5.61	6.53	7.46	9.78
18 hours	1.48	1.69	1.85	2.11	2.39	2.61	3.14	4.04	4.84	6.06	7.05	8.06	10.57
24 hours	1.57	1.80	1.97	2.24	2.55	2.77	3.34	4.30	5.15	6.45	7.50	8.57	11.24
48 hours	1.72	1.97	2.16	2.46	2.79	3.04	3.66	4.71	5.62	6.99	8.13	9.28	12.10
72 hours	1.87	2.14	2.34	2.67	3.03	3.30	3.97	5.08	6.05	7.49	8.64	9.85	12.81
120 hours	2.08	2.38	2.61	2.97	3.37	3.67	4.42	5.63	6.68	8.16	9.39	10.66	13.81
240 hours	2.63	3.01	3.30	3.76	4.27	4.65	5.60	7.09	8.25	9.90	11.26	12.65	16.00

Purpose: Revise the 10-minute duration from the December 2019 to the March 2020 ISWS study.

TAC Vote: 03/18/2021: Approved 11-0-0
